

Release notes for GenSIP, version

**BSV04.50B8/8630HS V04.50B5/8430 HSV04.50B5/8830
HSV04.50B5/863x V4.50B5/8930V04.50B5**

Release Information

Project	GenSIP
Milestone	SW
Software Version	BSV04.50B8/8630HS V04.50B5/8430 HSV04.50B5/8830 HSV04.50B5//863x HS04.50B5/8930V4.50B5
Software Life Cycle Stage	Release Candidate (RC)
Release Date	21 May 2019

RC software is the software delivered for e.g. product acceptance testing. It is the software that the project promotes as a candidate for the final software that fulfills the goals for this software product (for this feature revision of the product).

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What's new

This release contains new features and bug fixes as listed in the below.

Development

Notes and new:

- This release note covers the following devices: RTX8660, RTX9430, RTX8663, RTX8430, RTX8630, RTX8830, RTX8631, RTX8632, RTX8633, RTX8930.
- Release V450B8 covers only base RTX8660, RTX9430, RTX8663.
- NOTE: V420B1 cannot be downgraded.

Requests which are fixed:

- None

Bug Fixes:

- 248038 No audio after call from group with music (RTP collision)
- 246399 8660: Multicell has Unexpected Reboots (05)
- 249140 8663: "Unexpected Reboot" when Attended transfer
- 249818 All bases: After 5 call attempts to busy number no more calls are possible

Known Bugs:

- None

Outstanding issues

- None

Known limitations

System Maximum

- Maximum 8 simultaneous calls
- Maximum 49 or 126 or 253 slave bases can be registered to the master
- Maximum 30 handsets can be registered to one base
- Maximum 1000 handset can be registered to a system
- Maximum 24 slaves in a chain

- Maximum 8 simultaneous handovers
- Maximum number of RTP is 18 on one base
- Maximum 3 or 1 or 0 repeaters can be registered to one base
- Maximum 100 repeaters can be registered to a system
- Maximum 5 simultaneous calls on a repeater

Installation / Upgrading

Please use the firmware upgrade procedure described in the SME VoIP System Guide_SIP_V4.2_rtx.pdf.

Contact information

For further information and support contact: kmr@rtx.dk

Release History

**Version BSV440B7/HS8630 V440B4/HS8430 V440B4/HS8830
V440B4/HS8930 V440B1/New handset 8631-3 V440B5**

Development

Notes and new:

- This release note covers the following devices: RTX8660, RTX9430, RTX8663, RTX8430, RTX8630, RTX8830, RTX8631, RTX8632, RTX8633, RTX8930.
- NOTE: V420B1 cannot be downgraded.
- RTX8663 support G729 with the DSP module inserted
- RTX8663 only: G.729 VAD
- Bases support TLS1.2
- 8660 and 8663 Bases support mix mode
 - 8663 can always work with 8660, but 8663 will have features which is not supported by 8660
- RTX8660: Extension page will show Terminal Type/fwu info for detect/power off devices
- FWU - TEXT: Warn user not to power off base stations during FWU
- Location feature added to handset alarms – when handset send alarm to server configuration for the alarm type can include 5 base RSSI to be used for DECT location feature.

Requests which are fixed:

- None

Bug Fixes:

- 240808 Issue with encryption authentication
 - UNAUTHENTICATED_SRTP is now added when SRTP authentication is disabled (and SRTP is enabled). Furthermore, it has been included in the SDP negotiation that SRTP authentication mode must match. If not, the calls will be rejected. Please note that this is a new behaviour compared to the old implementation when you would end up with a call with no audio instead.
- 240631 Central Dir not changed when using provisioning file
 - To provision new directory first time a web save is required
- 217842 SRTP: No audio after reINVITE

Known Bugs:

- None

**Version BSV440B6/HS8630 V440B4/HS8430 V440B4/HS8830
V440B4/HS8930 V440B1/New handset 8631-3 V440B5****Development****Notes and new:**

- This release note covers the following devices: RTX8660, RTX9430, RTX8663, RTX8430, RTX8630, RTX8830, RTX8631, RTX8632, RTX8633, RTX8930.
- NOTE: V420B1 cannot be downgraded.
- RTX8663 support G729 with the DSP module inserted
- RTX8663 only: G.729 VAD
- Bases support TLS1.2
- 8660 and 8663 Bases support mix mode
 - 8663 can always work with 8660, but 8663 will have features which is not supported by 8660
- RTX8660: Extension page will show Terminal Type/fwu info for detach/power off devices
- FWU - TEXT: Warn user not to power off base stations during FWU
- Location feature added to handset alarms – when handset send alarm to server configuration for the alarm type can include 5 base RSSI to be used for DECT location feature.

Requests which are supported:

- None

Bug Fixes:

- 232576 BTLE Beacon detection – fixed issue with handset will not detect Beacons when handset is in idle
- 217851 New handset 863(2-3): Asserting in call when noise cancelling is on
- 216140 Timezone adn dst settings, not shown in xml parameters
- 215771 Msg is both in draft and send folder
- 215173 RTX8631-3:Text translation "Freisprechprofi" missing an l -> "Freisprechprofil
- 215214 Abgemeldet to DECT Abgemeldet
- 215989 Supporting 1500 byte frames again
- 201255 Central dir.: Central dir. file relaod every 10sec. even LDAP selected.
- 200944 2G4 Handset is NOT reading PhoneBook CSV correctly
- 179815 Message: RTX8663 reset - message server sending msg. every 15sec. to 11 x PP - error 93
- 179759 Call: Robustness Beatus RFP reset during auto call - error 71
- 179127 Raffle: Language Slovinsky, it should be Slovenski.
- 177843 Push To talk: Make Push To Talk,the display is abnormal
- 174687 IEEE: RFP loop reset when sync. to existing system - error 43
- 199488 RTX8663 Push to talk will caused BS unexpected reboot with Error 93
- 160403 Call: Noise can be heard when user is on-hold (g729 & g711)

Known Bugs:

- 240383 SRTP: No audio after reINVITE
 - Will be fixed for V450B7
- 240808 Issue with encryption authentication (fixed in V450B7)
 - UNAUTHENTICATED_SRTP is now added when SRTP authentication is disabled (and SRTP is enabled). Furthermore, it has been included in the SDP negotiation that SRTP authentication mode must match. If not, the calls will be rejected. Please note that this is a new behaviour compared to the old implementation when you would end up with a call with no audio instead.
- 240631 Central Dir not changed when using provisioning file (fixed in V450B7)
 - To provision new directory first time a web save is required

**Version BSV440B5/HS8630 V440B4/HS8430 V440B4/HS8830
V440B4/HS8930 V440B1/New handset 8631-3 V440B5****Development****Notes and new:**

- This release note covers the following devices: RTX8660, RTX9430, RTX8663, RTX8430, RTX8630, RTX8830, RTX8631, RTX8632, RTX8633. RTX8930 headset do not have a new release.
- This release note covers base hotfix release V440B5
- NOTE: V420B1 cannot be downgraded.

Requests which are supported:

- None

Bug Fixes:

- 213828 Handset 8631:No audio after HO
- 213882 Base not supporting 1500 byte frames on 4.xx firmware

Known Bugs:

- None

**Version BSV440B4/HS8630 V440B4/HS8430 V440B4/HS8830
V440B4/HS8930 V440B1****Development****Notes and new:**

- This release note covers the following devices: RTX8660, RTX9430, RTX8663, RTX8430, RTX8630, RTX8830, RTX8631, RTX8632, RTX8633. RTX8930 headset do not have a new release.
- This release note is for hotfix release V440B4
- NOTE: V420B1 cannot be downgraded.

Requests which are supported:

- None

Bug Fixes:

- 209339 First digit saved in call log list when make a call and terminate immediately
- 209723 Phone lock no pin is invalid
- 209814 8663 many swap base reset
- 209725 8830 no ringtone for first call
- 212241 8830 Pull cord issue – more than 5 alarms before 32 sec alarm is not send
- 210133 hs no pin code after reboot
- 181782 8830 can't start when SdCard with no data is mounted

Known Bugs:

- None

Version BSV440B3/HS8630 V440B3/HS8430 V440B3/HS8830 V440B3/HS8930 V440B1

Development

Notes and new:

- This release note covers the following devices: RTX8660, RTX9430, RTX8663, RTX8430, RTX8630, RTX8830, RTX8631, RTX8632, RTX8633. RTX8930 headset do not have a new release.
- Support of TLS1.2
 - Note TLS1.2 support on the new RTX8663 base do have better performance than RTX8660 and RTX9430.
- Support of G729 for RTX8663 base (requires G729 module)
- Support of reboot history
- NOTE: V420B1 cannot be downgraded.

Requests which are supported:

- 175497 Add support of TLS1.2
- 194088 RTX8830 Microphone frequency response increase high freq. dominance to make 8830 TX more similar to RTX8630

Bug Fixes:

- 193553 [alarm] Ok softkey works like Reject
- 193179 863x: Max numbers of entries only 249 in phonebook
- 193071 [BTLE Beacon] Leave/Enter proximity is not work after first detection
- 193050 HandsetName - Can not saved a handset name with 20 char
- 189144 *IP* menu does not update after approx. 1 minute
- 199517 8830: Noise Reduction menu does not work. Noise reduction always on (issue from V420)
- 74868 Rocket : HS reset with when toggling speakphone key continuously
- 200567 BEN: Robustness system / reset during night - error 59
- 199483 FWU: Enable FWU at RFP/PP makes RFP reset - error 92
- 194892 Beatus/ben crash - Error 41
- 187623 Message full - no overwrite list
- 187622 Messaging max. msg length hs reset
- 187621 Wrong Call ID at conference

Known Bugs:

- None

Version BSV430B3/HS8630 V430B3/HS8430 V430B3/HS8830 V430B3/HS8930 V430B3

Development

Notes and new:

- This release contains features to improve security and bug fixes as listed below.
- NOTE: V420B1 cannot be downgraded.

Requests which are supported:

- 158708 TLS1.2 support (RTX8663 only)
- 160641 Support of LDAP over TLS
- 165313 Secure Syslog
- 176084 HTTP/MD5 digest authentication

Bug Fixes:

- 188865 The new devices show no pictures
- 186418 uaCSTA conference and connection in idle mode
- 186186 uaCSTA, incoming call message connected instead of alerting
- 184755 No uaCSTA after restart from the PBX
- 183331 Extension details not applied instantly to device when changed in base
- 175005 Device does not update the Session-Expire header in case of 422 SIP error
- 173831 Group call triggers reboot
- 163530 Base does not use the entire SIP-URI obtained from the REFER message
- 156704 IP stack cannot handle dual RTP media description
- 133969 Wrong ringing tone with Ireland country

Known Bugs:

- None

**Version BSV420B1/HS8630 V420B1/HS8430 V420B1/HS8830
V420B1/HS8930 V420B1****Development****Notes and new:**

- This release contains a GDPR feature pack. Updating to this release does NOT make you GDPR compliant, but gives you the tools to meet the new regulations.
- NOTE: V420B1 cannot be downgraded.

Requests which are supported:

- 116848 uaCSTA support
- 164968 LDAP over SSL (for GDPR)
- 165319 SME VoIP handset login (for GDPR)

Bug Fixes:

- 177027 Ringback Tone in Ireland Country
- 173228 IEEE: Table of Multicell not available in IEEE mode.
- 171419 Paired call: Cannot claim call on hold
- 171290 Mix Beatus+Ben: Use G722,HS HO from Beatus to Ben, will no audio
- 170846 RTX8663 reboots when using LDAP
- 170772 Central Directory removed from all the handsets and isn't recovered
- 170550 Call: Auto call test among 2 PP makes RFP reset - error 1C
- 169497 Call: RFP reset after some hours of auto call test - error 5
- 168865 Configuring "Vlan priority" breaks communications in a multicell environment
- 168694 Call: Auto call test makes RFP reset - error 43
- 168380 Beatus base hangs in startup and the NVS/EEPROM gets overwritten.
- 167773 8930 equalizer functionalities improved
- 167607 Turn off the BS, 8930 headset no audio after roaming
- 164216 Messaging: Prompt "number of new messages: 0"
- 163372 Central dir.: No Central dir. icon after batt. re-connected.
- 156506 IEEE mode: RFP stuck for more than 2:30 hours
- 154782 When received message, HS sometimes will reset with error 59/51

Known Bugs:

- None

**Version BSV410B14/HS8630 V410B7/HS8430 V410B7/HS8830
V410B8/HS8930 V410B1****Development****Notes and new:**

- Hotfix release base only

Requests which are supported:

- None

Bug Fixes:

- 213882 not supporting 1500 byte frames on 4.xx firmware

Known Bugs:

- None

**Version BSV410B14/HS8630 V410B7/HS8430 V410B7/HS8830
V410B8/HS8930 V410B1****Development****Notes and new:**

- Hotfix release base. No 8930 hotfix is released.
- Note – 8830 hotfix is V410B8 with improved TX response

Requests which are supported:

- None

Bug Fixes:

- Fixed tree stability issues
- 215023 Robustness: RFP resets at "Forced reboot" cmd - error 41
- 223653 RSSI value from a good value (-6dBm) to -Infinity
- 209505 Beatus/ben crash - Error 41
- 201863 base can not register to PBX via TLS if PBX was unreachable 10+ minutes

Known Bugs:

- None

**Version BSV410B3/HS8630 V410B3/HS8430 V410B3/HS8830
V410B3/HS8930 V410B1****Development****Notes and new:**

- Hotfix release base and handsets. No 8930 hotfix is released.
- Added handset keep alive status for messaging server interface

Requests which are supported:

- None

Bug Fixes:

- Base:
- 172343 SRTP: DECT base crash
- 172665 Multi Cell: Missing the audio after upgrade to version V400B2 in case of using VLAN + DirectRTP
- Handset:
- 171577 Message: The HS store only a few text Messages
- 172787 HS: Only show name, not show the number of caller/callee

Known Bugs:

- Handset FWU can be disabled with "0" followed by save

Version BSV410B1/HS8630 V410B2/HS8430 V410B2/HS8830 V410B2/HS8930 V410B1

Development**Notes and new:**

- Handset releases are branch 2.

Requests which are supported:

- RTX8930 license feature
- DECT tree algorithm improved
- RTX8830 BT stack upgraded to BT V4.1

Bug Fixes:

- Paired headset:
- 161686 Paired handset has SIP failed at extension page even handset works normal
- 166341 Paired headset: Rocket stuck after headset walk out of DECT range with 2 calls.
- 160018 Paired handset: Agfeo - Headset type not present at extension list.
- Other:
- 163714 Call: RFP reset with TCP Auto call test among 2 x PP - error 1a
- 165304 Beatus: Enabled Secure RTP, BS unexpected reboot with error 1a
- 166020 Call: RFP reset during call test - error 1C
- 158418 HS - Handset auto reboot after saved draft in Messaging (error 001A)

Known Bugs:

- Handset FWU can be disabled with "0" followed by save

Version BSV400B3/HS8630 V400B2/HS8430 V400B2/HS8830 V400B2/HS8930 V400B2

Development**Notes and new:**

- Base release only

Requests which are supported:

- Feature redirect 302 implemented.

Bug Fixes:

- 165129 Paired headset: Rocket stuck after headset walk out of DECT range with 2 calls bugfix

- 163837 8930g: Press Headset off/on hook button will end the 1st call instead of the 2nd call

Known Bugs:

- Handset FWU: Handset FWU of many devices in area with many active handsets can interfere with normal call activities
- Handset FWU can be disabled with "0" followed by save

**Version BSV400B2/HS8630 V400B2/HS8430 V400B2/HS8830
V400B2/HS8930 V400B2****Development****Notes and new:**

- Enable all customers for headset 8930 support.
- Repeater V39 do not support 8930 Paired Headset feature
- New web page "diagnostic" for performance logging

Requests which are supported:

- None

Bug Fixes:

- 161832 HS:When callee reject,the calls log of callee is incorrect
- 161831 HS:Miss call prompt not work fine
- Paired headset/handset bugfix

Known Bugs:

- Handset FWU: Handset FWU of many devices in area with many active handsets can interfere with normal call activities
- Handset FWU can be disabled with "0" followed by save

**Version BSV400B1/HS8630 V400B1/HS8430 V400B1/HS8830
V400B1/HS8930 V400B1****Development****Notes and new:**

- Enable all customers for headset 8930 support.
- Repeater V39 do not support 8930 Paired Headset feature
- New web page "diagnostic" for performance logging

Requests which are supported:

- None

Bug Fixes:

- 157808 Re: SIP messages can cause a base crash
 - Fix of TCP issue solves this bug
- 158796 Raffle/Rocket reset: PP reset during idle - error 41
- 158447 8660 BS reboots when HS is registared
- 158181 SIP via UDP: Use Different SIP Ports does not work
- 159055 Call: Raffle cannot be call - Call Outgoing Rejected (Cause#503)
- 154606 Contact scrolls to the next page, search the member of previous page incorrect
- 154216 Select the symbol in Contacts,no respond after press the OK key

- 151253 Beatus: Runtime error dumped in syslog at every single call release
- 148236 Language - Now it says Slovinsky, it should be Slovenski.
- 147794 Call forward: Enabled type / number not displayed on MMI
- 147764 Handover must be able to succeed without incoming RTP packets
- 147607 Local Phonebook: Alphabetical sorting / searching not avail.
- 147193 Statistics counters in single cell are all zero
- 127596 Handling of Russian characters sorting in phonebook improved
- 97594 Beatus: Several PP in permanent Alerting or Connected when Group call answered.
- 81980 Conference: G722 and G711. Audio lost when participant holds call
- 67817 Beatus: Combination of Use One TCP connection pr Extension and Outbound Proxy fails
- 23643 HO: Handset cannot make HO when being on-hold w. g.729

Alarm/msg specific bugfix:

- 156305 can only confirm last 10 alarms
- 156290 Alarm full is not shown
- 149828 multiple delete from messages server does not work
- 147546 handle delete of messages from messages server
- 138829 Messaging: View of cleared message makes handset reboot

RTX8930 and paired headset specific bugfix:

- 8930 CTI bug fixes
 - 161003 hold - take over and loose the call
 - 160192 no CTI dial until base is reset by user
- 158117 Paired headset swap delay of 5 seconds
- 155757 8930G: Disable paired, register again, can not answer or reject incoming call
- 158701 When receiving incoming call to paired terminals one terminal does not ring
- 151510 8930G: When 2th call coming, end the 1th call, the soft key of HS(passive) is useless
- 149340 8930G : Collision-8930G claim the call during calling, HS still show calling after callee reject
- 143621 8930g: Receive incoming call at the same time automatically jump out of a misscall on Paired devices HS notification bar.

RTX9430 specific bug fix:

- 152626 Skywalker: No SIP reg. after Ethernet disconnect/connect
- 150583 Calls are not possible after several ethernet disconnect/connect
- 154451 Skywalker: Reset when Ethernet backbone disconnected in 120sec. - error 41
- 158197 SkyWalker: Using G729 very rare base can end in infinite loop – repower required

Known Bugs:

- Handset FWU: Handset FWU of many devices in area with many active handsets can interfere with normal call activities
- Handset FWU can be disabled with “0” followed by save

Version BSV380B12/HS8630 V380B12/HS8430 V380B12/HS8830 V380B12/HS8930 V384B4

Development

Notes and new:

- Headset 8930 support.

Requests which are supported:

- None

Bug Fixes:

- 157792 Headset reset with error 11 whenever a wideband call is terminated from far end
- 158702 When receiving incoming call to paired terminals one terminal does not ring

- 157314 Call: Raffle cannot be call - Call Outgoing Rejected (Cause#503)
- 156497 Paired Terminal. Audio fails if PBX sends re-Invite at the same time as Base
- 156406 Alarm full is not shown
- 158330 SIP via UDP: Use Different SIP Ports does not work

Known Bugs:

- Handset FWU: Handset FWU of many devices in area with many active handsets can interfere with normal call activities
- Handset FWU can be disabled with "0" followed by save

Version BSV380B10/HS8630 V380B10/HS8430 V380B10/HS8830 V380B10/HS8930 V384B1

Development**Notes and new:**

- Enable all customers for headset 8930 support.

Requests which are supported:

- None

Bug Fixes:

- 152798 8930g: No Tx/Rx audio after call claimed in WB(codec G722) condition
- 154485 8930 Headset – microphone sound quality improved

Known Bugs:

- Handset FWU: Handset FWU of many devices in area with many active handsets can interfere with normal call activities
- Handset FWU can be disabled with "0" followed by save

Version BSV380B9/HS8630 V380B9/HS8430 V380B9/HS8830 V380B9/HS8930 V383B1

Development**Notes and new:**

- Support of RTX8663 base
- Support of RTX8930 headset and Paired headset feature
- Security web: Improved certificate handling
- SIP log server address no longer exist – syslog server is used
- Network web: MDNS support = multicast DNS support
- Network web: Outbound proxy mode added. Default SIP request is send via outbound proxy
- Server web: Remote ring tone control
- Alarm: Multiple alarm reception is now possible
- Even more conservative tree update

Requests which are supported:

- None

Bug Fixes:

- Several base bugs and handset bugfix
- RTX9430 base – G.729 important bugfix – symptom is base can random crash

Known Bugs:

- Handset FWU: Handset FWU of many devices in area with many active handsets can interfere with normal call activities
- Handset FWU can be disabled with “0” followed by save

Version BSV355B25/HS8630 V355B25/HS8430 V355B25/HS8830 V355B25

Development

Notes and new:

- None.

Requests which are supported:

- None

Bug Fixes:

- 135145 HS:Power cycle HS, the Call Forward show "off" transfer).
- 95709 Raffle: approx. 30sec. before HO at busy RFP - bad audio in period.
- 136944 Skywalker: SIP TCP mode - RFP reset after some days - error 1a
- 137367 Base reset: IP renew
- 137529 Beatus: Crash in arp_resolve_timer
- 137530 Memleak in RTP stack
- 138230 HeapLeak in showing NodelImage (every time webpage is showed)

Known Bugs:

- Handset FWU: Handset FWU of many devices in area with many active handsets can interfere with normal call activities
- Handset FWU can be disabled with “0” followed by save

Appendix: RTX Standard Software Lifecycle Model

The software progresses through a series of life cycle stages as the software matures and quality is improved.

Development Stage

Releases made during the development stages are mainly for internal purposes only but can to some degree be shared with external development partners. Development software contains defects and has missing or broken features and possibly unresolved performance issues.

Alpha Stage

Alpha software is "Code Complete" thus all features are implemented for the planned feature release, integrated and functional. Alpha releases are the first releases made that enable measurement of overall product quality. Alpha software is verified against the product requirements with system testing. The alpha software contains defects but must at least live up to following conditions:

All planned features and functions are usable (no feature groups are blocked from testing)

Stability issues do not impact system testing significantly.

Beta Stage

Beta software is software that has been matured during alpha stage to a level where e.g. field testing is possible. I.e. the software is of a quality where unsupervised end-user trials can be made. System verification and defect fixing continues in the Beta stage but other trials can be commenced that verify other aspects of the product.

Release Candidate (RC)

RC software is the software delivered for e.g. product acceptance testing. It is the software that the project promotes as a candidate for the final software that fulfills the goals for this software product (for this feature revision of the product).

General Availability (GA)

RC software can be raised to General Availability (GA) software when the software has been approved by the customer.